S 4190-1

REPORTED INDUCED ABORTIONS

1978

MINNESOTA CENTER FOR HEALTH STATISTICS
MINNESOTA DEPARTMENT OF HEALTH

S4190-1

REPORTED INDUCED ABORTIONS
MINNESOTA, 1978

Report No. 4
Minnesota Abortion Surveillance
August, 1979

Minnesota Center for Health Statistics
Minnesota Department of Health
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Minneapolis, Minnesota 55440

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PREFACE

This report is the fourth in a series of analyses of data gathered during the Minnesota Abortion Surveillance. These data were collected, analysed and prepared by the staff of the Minnesota Center for Health Statistics. Address correspondence to Minnesota Center for Health Statistics, 717 Delaware St. S.E., Minneapolis, Mn 55440.

INTRODUCTION

The Minnesota Abortion Surveillance is a health monitoring system conducted by the Center for Health Statistics within the Minnesota Department of Health. Since its introduction in 1974 the Surveillance has provided current public health information on abortions, including demographic profiles of the abortion patients.

The Surveillance is currently in its fifth year as a state wide reporting system, gathering data voluntarily supplied by provider facilities throughout Minnesota. Continuous facility recruiting has been done since 1974 to enlist all possible sources of abortion data, yielding the present 23 data providers enrolled on the system.

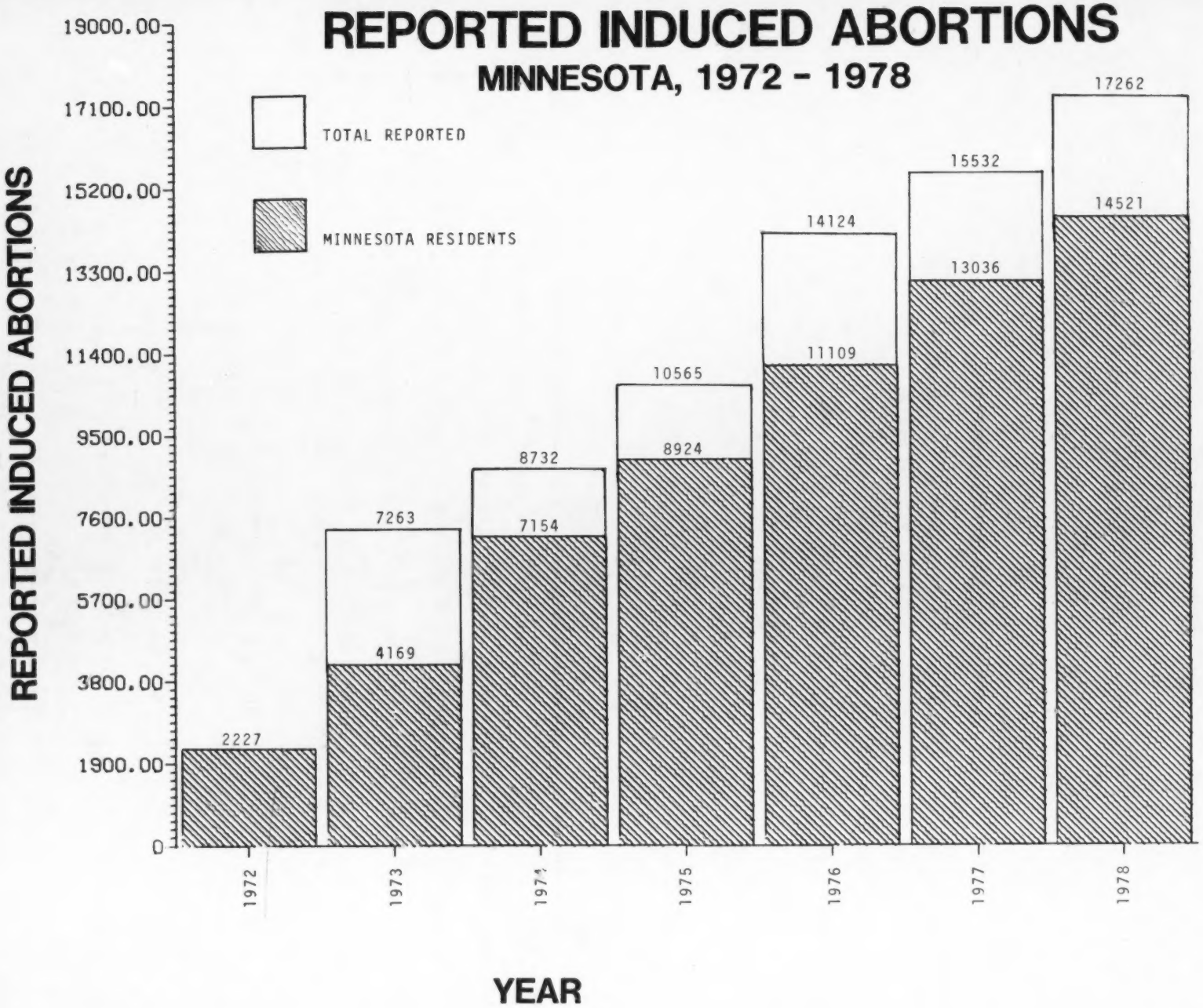
Since, by definition, a voluntary surveillance is subject to partial and incomplete reporting of events, this report and the data collected do not imply the complete and comprehensive status of legal abortion in Minnesota. The intention of this report is to describe as accurately as possible the situation as it was reported during the Surveillance period.

SYMBOLS

Data not available
Data not applicable . . . . . -

Quantity zero 0

Quantity >0 but <0.05 . . . 0.0


REPORTED INDUCED ABORTIONS
MINNESOTA, 1972 - 1978
TOTAL REPORTED
MINNESOTA RESIDENTS
REPORTED INDUCED ABORTIONS
19000.00
17100.00
15200.00
13300.00
11400.00
9500.00
7600.00
5700.00
3800.00
1900.00
0
2227
7263
4169
8732
7154
10565
8924
14124
11109
15532
13036
17262
14521
1972
1973
1974
1975
1976
1977
1978
YEAR

ABORTION TRENDS

The most recent continuous reporting of induced abortions was initiated nationally by the Center for Disease Control (CDC) in Atlanta during 1969. Data on Minnesota women first appeared in their 1972 Surveillance Report.[1] In that year 2,227 abortions to Minnesota residents were reported by agencies outside Minnesota. In 1973, CDC solicited reports of abortions from several hospitals and clinics in Minnesota, and in 1974 received 3 months of survey data from the "testing phase" of the Minnesota Surveillance. Since 1975, annual Surveillance data has been supplied to CDC and many other federal, state, and private agencies. The proportion of resident and total reported abortions in the state is shown in Graph 1.

[1]Center for Disease Control: Abortion Surveillance: 1972 issued April, 1974, DHEW Publication (CDC) 74-8205

DATA COLLECTION

Instrument

The data collection instrument (Sample 1) was designed by the Center for Health Statistics staff, using recommendations from the American Public Health Association[2] and the JPSA-CDC report form (Sample 2). The staff and several prospective users reviewed and modified the questionnaire. Following their final approval, the instrument was printed and distributed to the participating facilities for the annual Surveillance.

Method

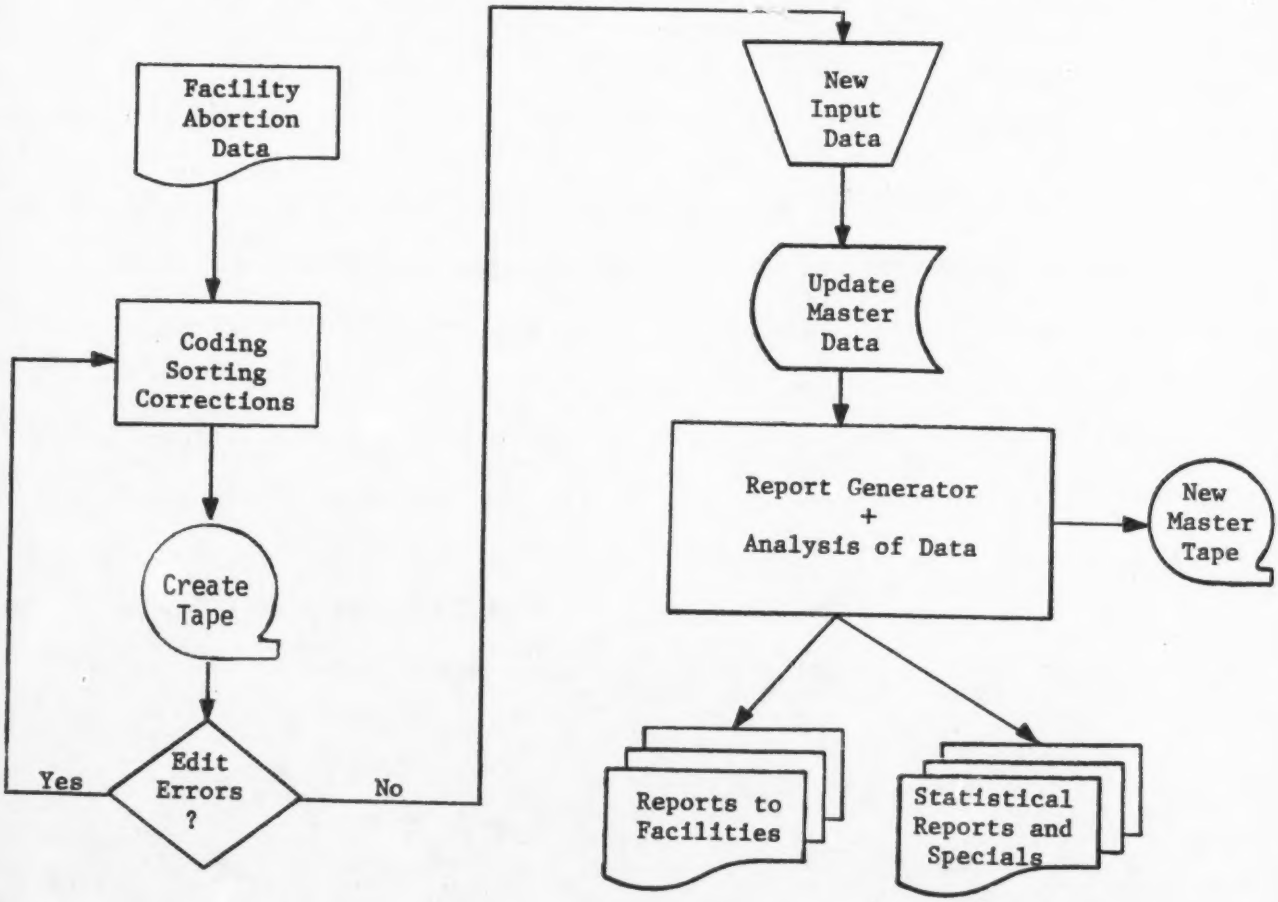
Following an initial contact by mail, informing the prospective data providers of the existence of the Surveillance, a staff member visits each facility and discusses the details of the program and specific instructions for data reporting. Each participating facility is issued a supply of the reporting instrument and mailing labels for the monthly data mailings.

The data received by the Surveillance staff are batched and edited by a coder and then keypunched for the computer edit. Corrections are made by contacting the provider facility concerning any errors and the corrected data are stored on a cumulative data tape for the Surveillance Report. An edited report is then sent to the facility for that month's data and scheduled reports are released quarterly and at year end for all data supplied and for special requests from the participating data suppliers.

[2]American Public Health Association, "Recommended Program Guide for Abortion Services," AJPH 1973, Vol. 63, Number 7.

EDIT PROCEDURES

Each quarter the data provided by the Surveillance participants is edited and a computer tape is updated to build a cumulative data base. This tape is then analysed using a computer program designed by the Center for Health Statistics staff. A facility report, generated for each participating data provider, is prepared each quarter, and the summary report of all reported abortions is used to prepare the quarterly and annual Report of Induced Abortions. The feedback received from the facilities through examination of their quarterly reports provides an additional error edit method for insuring the correctness of the data collected during the Surveillance. The processing flow of the data is shown below:



SURVEILLANCE RESULTS, 1978

The Minnesota Abortion Surveillance recorded 17,262 induced abortions occurring in Minnesota during 1978, compared with 15,532 reported in 1977. The number of Minnesota resident women receiving abortions increased from 13,036 in 1977 to 14,521 in 1978, an 11.4% increase.

The demographic profile of the typical abortion patient remains unchanged from the pattern of 1975, 1976, and 1977 in Minnesota, and continues to mirror the profile of the average patient across the country.

Minnesota Residents
1978 Profile

Age	18 years	10.8%
Race	White	82.9%
Marital Status	Never Married	70.1%
Gestation	<9 weeks	35.4%
Abortion Method	Suction Curettage	87.2%

The age distribution of Minnesota women receiving abortions in 1978 ranged from 12 to 48 years with 36.1% of the women younger than 20 years and 1.0% over age 40. Married women accounted for 14.4% of the total patients, but only 0.7% of those women younger than 20 were married. Never married women represented 70.1% of the total. Prior abortions were reported by 19.4% of the resident women with the number of previous abortions ranging from 1 to 5 per woman. The greatest number of prior abortions was reported by women aged 20-24 years, where 23.7% indicated at least 1 previous abortion. Prior births were reported by 27.2% of all patients and by 93.3% of those women beyond age 40.

Nearly 26% of the women reported no prior use of a contraceptive method and 21.6% reported a contraceptive failure. First trimester patients (≤12 weeks gestation) represented 86.4% of the total with more than 35% appearing before the 9th week and 0.3% aborting beyond the 20th week. Major complications were reported in 46 of the resident abortion procedures, yielding a rate of 3.17 per 1,000 abortions compared with the 1976 and 1977 rates of 4.05/1,000 and 2.76/1,000 respectively.

The following table compares and contrasts the details of the Surveillance from 1975 to the present.

Numbers*	1975	1976	1977	1978	Change 1977-78
Total Reported Abortions	10,565	14,124	15,532	17,262	+11.1%
Minnesota Resident Abortions	8,924	11,109	13,036	14,521	+11.4%
Total Monthly Average	966**	1,177	1,294	1,438	+11.1%
Resident Monthly Average	819**	926	1,086	1,210	+11.4%
Gestational Age*					
Proportion <9 weeks	27.7%	35.8%	37.1%	35.4%	-4.6%
Proportion <13 weeks	80.9%	85.2%	86.0%	86.4%	+0.5%
Proportion ≥16 weeks	11.1%	7.3%	6.1%	5.6%	-8.2%
Patient's Age*					
Proportion <Age 16	3.8%	4.0%	3.2%	2.6%	-18.8%
Proportion <Age 20	40.1%	41.1%	38.1%	36.1%	-5.2%
Proportion ≥Age 40	1.9%	1.3%	1.5%	1.0%	-33.3%
Contraception*					
Proportion "Never Used"	32.6%	30.9%	29.2%	25.9%	-11.3%
Proportion "Not Used Currently"	48.8%	51.3%	48.5%	45.5%	-6.2%
Proportion "In Use Now"	18.7%	17.1%	18.9%	21.6%	+14.3%
Complications*					
Total Per 1,000 Procedures	5.58	3.75	2.70	2.90	+7.4%
Resident Per 1,000 Procedures	5.71	4.05	2.76	3.17	+14.9%
Resident--Suction Curettage	3.09	3.02	2.63	2.84	+8.0%
Resident--All Other Methods	16.11	10.51	3.97	5.39	+35.8%

* Note: All data are Minnesota resident abortion statistics unless "Total" is indicated.

** July through December 1975 (Average)

REPORTED INDUCED ABORTIONS

RESIDENTS BY AGE GROUP

MINNESOTA 1978

Table 1

REPORTED INDUCED ABORTIONS
BY AGE GROUP AND RESIDENCE

MINNESOTA, 1978

Age Group	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
<15	94	0.5	74	0.5	78.7
15-19	6,295	36.5	5,166	35.6	82.1
20-24	6,030	34.9	5,066	34.9	84.0
25-29	2,631	15.2	2,306	15.9	87.6
30-34	1,116	6.5	952	6.6	85.3
35-39	559	3.2	465	3.2	83.2
40-44	176	1.0	135	0.9	76.7
45+	16	0.1	14	0.1	87.5
Unknown	345	2.0	343	2.4	99.4
TOTAL	17,262	100.0	14,521	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions (age X)}}{\text{Total Reported Abortions (age X)}}$ X 100

Table 2

REPORTED INDUCED ABORTIONS
BY MARITAL STATUS AND RESIDENCE

MINNESOTA, 1978

Marital Status	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
Never Married	12,235	70.9	10,181	70.1	83.2
Married	2,477	14.3	2,087	14.4	84.3
Divorced	1,386	8.0	1,200	8.3	86.6
Separated	494	2.9	427	2.9	86.4
Widowed	62	0.4	52	0.4	83.9
Unknown	608	3.5	574	4.0	94.4
TOTAL	17,262	100.0	14,521	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

Table 3

REPORTED INDUCED ABORTIONS
BY RACE/ETHNIC GROUP AND RESIDENCE

MINNESOTA, 1978

	Total Reported Abortions		Minnesota Resident Abortions		
Race	Number	Percentage	Number	Percentage	Resident Percentage*
White	14,594	84.5	12,038	82.9	82.5
Black	397	2.3	357	2.5	89.9
American Indian	82	0.5	60	0.4	73.2
Hispanic	44	0.3	39	0.3	88.6
Other	125	0.7	111	0.8	88.8
Unknown	2,020	11.7	1,916	13.2	94.9
TOTAL	17,262	100.0	14,521	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions (race X)}}{\text{Total Reported Abortions (race X)}}$ X 100

REPORTED INDUCED ABORTIONS

MINNESOTA RESIDENTS

BY GESTATION WEEKS

MINNESOTA 1978

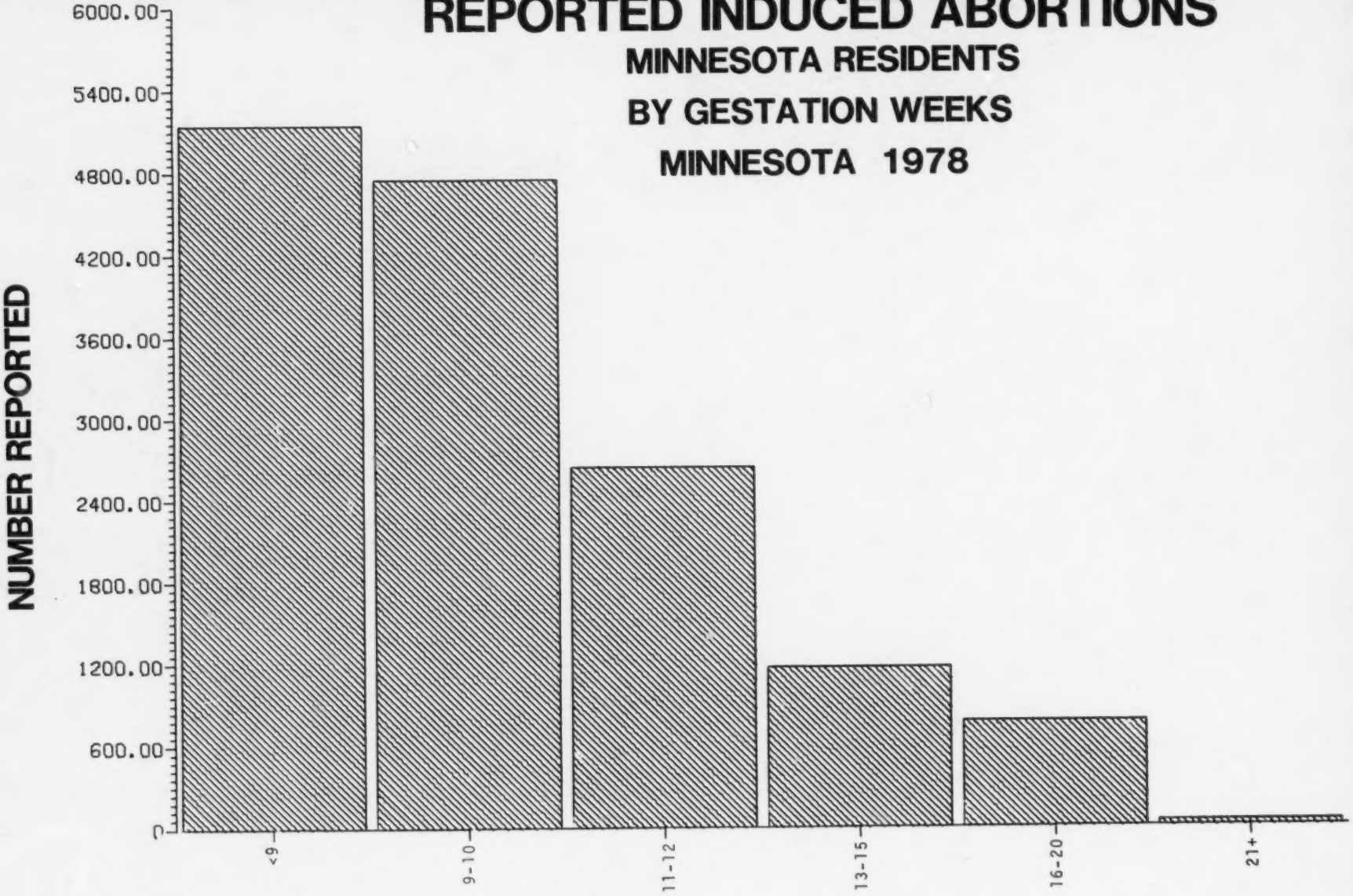


Table 4

REPORTED INDUCED ABORTIONS
BY GESTATION AND RESIDENCE

MINNESOTA, 1978

4a

(Post LMP) Weeks of Gestation	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
<9	5,792	33.6	5,145	35.4	88.8
9-10	5,599	32.4	4,751	32.7	84.9
11-12	3,168	18.4	2,643	18.2	83.4
13-15	1,495	8.7	1,170	8.1	78.3
16-20	1,143	6.6	772	5.3	67.5
21+	65	0.4	40	0.3	61.5
TOTAL	17,262	100.0	14,521	100.0	84.1

4b**

<15	15,690	90.9	13,440	92.6	85.7
15-19	1,344	7.8	946	6.5	70.4
20+	228	1.3	135	0.9	59.2
TOTAL	17,262	100.0	14,521	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions (week X)}}{\text{Total Reported Abortions (week X)}}$ X 100

** Table 4b indicates the number of abortions performed earlier and later than the first trimester (post conception), and the 20 week gestation criteria established in Minnesota as the definition of "Fetal Death." (<15 weeks post LMP = <13 weeks post conception).

Table 5

REPORTED INDUCED ABORTIONS
BY AGE AND MARITAL STATUS

MINNESOTA RESIDENTS, 1978

Age Group	Reported Resident Abortions	Marital Status					
		Never Married	Currently Married	Divorced	Separated	Widowed	Unknown
<15	74	74	0	0	0	0	0
15-19	5,166	4,960	103	18	39	2	44
20-24	5,066	3,869	633	312	155	10	87
25-29	2,306	1,027	625	447	137	11	59
30-34	952	195	380	262	66	13	36
35-39	465	39	257	124	23	12	10
40+	149	10	89	37	7	4	2
Unknown	343	7	0	0	0	0	336
TOTAL	14,521	10,181	2,087	1,200	427	52	574

Table 6

REPORTED INDUCED ABORTIONS
BY AGE BY PRIOR ABORTIONS AND RESIDENCE

MINNESOTA, 1978

Age Group	Total Reported Abortions			Minnesota Resident Abortions			Resident Percentage* Per Age Group
	Prior** Abortions	%	Rate/ 100***	Prior** Abortions	%	Rate/ 100***	
<15	5	0.2	5.3	5	0.2	6.8	100.0
15-19	754	23.4	12.0	659	23.3	12.8	87.4
20-24	1,382	42.9	22.9	1,201	42.5	23.7	86.9
25-29	720	22.4	27.4	643	22.8	27.9	89.3
30-34	244	7.6	21.9	215	7.6	22.6	88.1
35-39	91	2.8	16.3	82	2.9	17.6	90.1
40-44	19	0.6	10.8	15	0.5	11.1	78.9
45+	1	0.0	6.3	1	0.0	7.1	100.0
Unknown	2	0.1	0.6	2	0.1	0.6	100.0
TOTAL	3,218	100.0	18.6	2,823	100.0	19.4	87.7

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}} \times 100$

** Number of women reporting at least 1 prior abortion.

*** Rate is number of women in this age group with at least one prior abortion per 100 women of this age reported in the surveillance.

Table 7

REPORTED INDUCED ABORTIONS
BY AGE BY PRIOR LIVE BIRTHS AND RESIDENCE

MINNESOTA, 1978

	Total Reported Abortions			Minnesota Resident Abortions			
Age Group	Prior** Live Births	%	Rate/ 100***	Prior** Live Births	%	Rate/ 100***	Resident* Percentage Per Age Group
<15	1	0.0	1.1	1	0.0	1.4	100.0
15-19	440	9.6	7.0	378	9.6	7.3	85.9
20-24	1,415	30.8	23.5	1,247	31.5	24.6	88.1
25-29	1,244	27.1	47.3	1,080	27.3	46.8	86.8
30-34	812	17.7	72.8	691	17.5	72.6	85.1
35-39	500	10.9	89.4	415	10.5	89.2	83.0
40-44	165	3.6	93.8	125	0.2	92.6	75.8
45+	16	0.3	100.0	14	0.4	100.0	87.5
Unknown	2	0.0	0.6	2	0.1	0.6	100.0
TOTAL	4,595	100.0	26.6	3,953	100.0	27.2	86.0

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

** Number of women who reported at least one prior live birth.

*** Rate is number of women with at least one prior live birth per 100 women of this age reported in the surveillance.

Table 8

REPORTED INDUCED ABORTIONS
BY AGE AND RESIDENCE

MINNESOTA, 1978

	Total Reported Abortions			Minnesota Resident Abortions			
Age	Number	Percentage of Teens	Percentage of Total	Number	Percentage of Teens	Percentage of Residents	Resident* Percentage
<12	0	0	0	0	0	0	0
12	1	0.0	0.0	1	0.0	0.0	100.0
13	15	0.2	0.1	12	0.2	0.1	80.0
14	78	1.2	0.5	61	1.2	0.4	78.2
15	368	5.8	2.1	302	5.8	2.1	82.1
16	918	14.4	5.3	740	14.1	5.1	80.6
17	1,299	20.3	7.5	1,070	20.4	7.4	82.4
18	1,914	30.0	11.1	1,566	29.9	10.8	81.8
19	1,796	28.1	10.4	1,488	28.4	10.2	82.9
10-19	6,389	100.0	37.0	5,240	100.0	36.1	82.0
20-29	8,661	-	50.2	7,372	-	50.8	85.1
30-39	1,675	-	9.7	1,417	-	9.8	84.6
40+	192	-	1.1	149	-	1.0	77.6
Unknown	345	-	2.0	343	-	2.4	99.4
TOTAL	17,262	-	100.0	14,521	-	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

Table 9

REPORTED INDUCED ABORTIONS
BY NUMBER OF PRIOR LIVE BIRTHS
AND RESIDENCE

MINNESOTA, 1978

Number of Prior Live Births	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
0	12,324	71.4	10,227	70.4	83.0
1	2,278	13.2	1,991	13.7	87.4
2	1,407	8.2	1,201	8.3	85.4
3	545	3.2	460	3.2	84.4
4	221	1.3	185	1.3	83.7
5	83	0.5	63	0.4	75.9
6	33	0.2	26	0.2	78.8
7	12	0.1	12	0.1	100.0
8	8	0.0	7	0.0	87.5
9+	8	0.0	8	0.1	100.0
Unknown	343	2.0	341	2.3	99.4
TOTAL	17,262	100.0	14,521	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

Table 10

REPORTED INDUCED ABORTIONS
BY NUMBER OF PRIOR ABORTIONS
AND RESIDENCE

MINNESOTA, 1978

Number of Prior Abortions	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
0	13,701	79.4	11,357	78.2	82.9
1	2,741	15.9	2,393	16.5	87.3
2	380	2.2	341	2.3	89.7
3	67	0.4	61	0.4	91.0
4	23	0.1	21	0.1	91.3
5+	7	0.0	7	0.0	100.0
Unknown	343	2.0	341	2.3	99.4
TOTAL	17,262	100.0	14,521	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions}}{\text{Total Reported Abortions}}$ X 100

Table 11

REPORTED INDUCED ABORTIONS
BY METHOD BY WEEKS OF GESTATION
MINNESOTA RESIDENTS, 1978

Method**	Reported Resident Abortions	Gestation in Weeks* (LMP)						Gestation in Weeks (Optional Grouping)		
		<9	9-10	11-12	13-15	16-20	21+	<15***	15-19	20+
Suction Curettage	12,665	4,901	4,592	2,446	689	35	2	12,596	65	4
Laminaria & Curettage	1,080	13	13	27	396	612	19	219	785	76
Combination	579	173	143	169	83	8	3	562	13	4
Prostaglandin	130	0	0	0	0	114	16	0	79	51
Sharp Curettage	6	4	0	1	1	0	0	5	1	0
Hysterectomy Hysterotomy	0	0	0	0	0	0	0	0	0	0
Saline	0	0	0	0	0	0	0	0	0	0
Menstrual Ext-	39	32	3	0	1	3	0	36	3	0
Menstrual Ext +	22	22	0	0	0	0	0	22	0	0
TOTAL	14,521	5,145	4,751	2,643	1,170	772	40	13,440	946	135

* Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

** See definitions of procedures in index.

*** The optional grouping of gestation weeks details the abortions within the first trimester post conception (<15 weeks post LMP = <13 weeks post conception).

Table 12

REPORTED INDUCED ABORTIONS
BY METHOD BY COMPLICATIONS AND RESIDENCE
MINNESOTA, 1978

	Total Reported Abortions				Minnesota Resident Abortions			
Method**	Procedures	%	Complications	Rate/1000*	Procedures	%	Complications	Rate/1000*
Suction Curettage	14,641	84.8	38	2.60	12,665	87.2	36	2.84
Laminaria & Curettage	1,593	9.2	8	5.02	1,080	7.4	7	6.48
Prostaglandin	132	0.8	0	0	130	0.9	0	0
Combination	821	4.8	2	2.44	579	4.0	1	1.73
Sharp Curettage	7	0.0	1	142.86	6	0.0	1	166.67
Hysterectomy Hysterotomy	0	0	0	0	0	0	0	0
Menstrual Extraction(-)***	43	0.2	1	23.26	39	0.3	1	25.64
Menstrual Extraction(+)***	25	0.1	0	0	22	0.2	0	0
TOTAL	17,262	100.0	50	2.90	14,521	100.0	46	3.17

Reported complications include the categories hemorrhage (≥ 500 ml), pelvic infection, fever, cervical injury, uterine perforation, retained tissue and other procedure related conditions.

* Rate is reported complications per 1,000 abortion procedures.

** See definitions of methods in the index.

*** (-) Negative tissue pathology (not pregnant)
(+) Positive tissue pathology (pregnancy confirmed)

Table 13

REPORTED INDUCED ABORTIONS
BY AGE BY WEEKS OF GESTATION
MINNESOTA RESIDENTS, 1978

Age	Reported Abortions	Gestation in Weeks*						Gestation in Weeks (Optional Grouping)**		
		<9	9-10	11-12	13-15	16-20	21+	<15	15-19	20+
<15	74	13	18	20	14	9	0	64	9	1
15-19	5,166	1,471	1,714	1,152	532	287	10	4,752	374	40
20-24	5,066	1,977	1,716	868	341	154	10	4,837	202	27
25-29	2,306	1,033	766	342	102	61	2	2,223	71	12
30-34	952	424	320	139	43	24	2	921	27	4
35-39	465	164	169	88	29	15	0	443	22	0
40-44	135	50	34	30	9	12	0	120	13	2
45+	14	4	5	2	2	1	0	12	2	0
Unknown	343	9	9	2	98	209	16	68	226	49
TOTAL	14,521	5,145	4,751	2,643	1,170	772	40	13,440	946	135

* Gestation, in number of weeks, as reported by the physician using uterine size and/or LMP indicated by the patient.

** The optional grouping of gestation weeks details the abortions bounding the first trimester post conception (<15 weeks post LMP = <13 weeks post conception).

Table 14

REPORTED INDUCED ABORTIONS
MARITAL STATUS BY REPORTED CONTRACEPTIVE USE
MINNESOTA RESIDENTS, 1978

Marital Status	Reported Resident Abortions	Reported Contraceptive Use**							
		Never Used		Not In Use		Was Using		Unknown	
		Number	%*	Number	%*	Number	%*	Number	%*
Never Married	10,181	3,509	34.5	4,494	44.1	1,846	18.1	332	3.3
Currently Married	2,087	128	6.1	1,026	49.2	749	35.9	184	8.8
Divorced	1,200	45	3.8	714	59.5	377	31.4	64	5.3
Separated	427	32	7.5	249	58.3	113	26.5	33	7.7
Widowed	52	3	5.8	33	63.5	12	23.1	4	7.7
Unknown	574	50	8.7	89	15.5	40	7.0	395	68.8
TOTAL	14,521	3,767	25.9	6,605	45.5	3,137	21.6	1,012	7.0

* Percent is read horizontally to equal 100%

** Responses from collection form were:
Never used - I've never used any form of birth control.
Not in use - I've used some type of birth control, but not when I became pregnant.
Was using - I was using contraception when I became pregnant.

REPORTED INDUCED ABORTIONS

RESIDENTS REPORTING NO CONTRACEPTIVE USE

BY AGE GROUP

MINNESOTA 1978

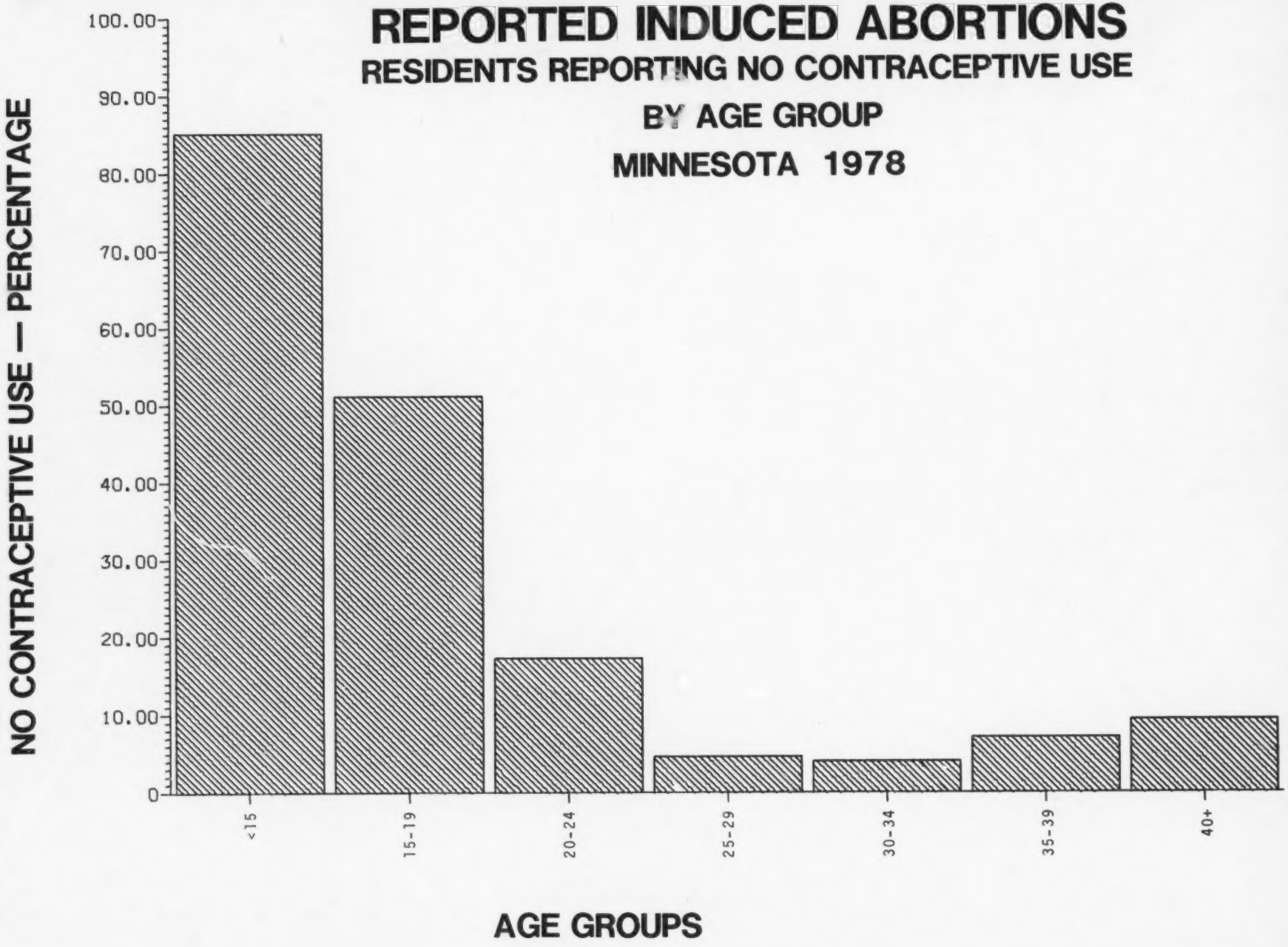


Table 15

REPORTED INDUCED ABORTIONS BY AGE BY CONTRACEPTIVE USE

MINNESOTA RESIDENTS, 1978

Age	Reported Resident Abortions	Reported Contraceptive Use*, Residents							
		Never Used	%**	Not Now Using	%**	In Use	%**	Unknown	%**
<15	74	63	85.1	8	10.8	3	4.1	0	0
15-19	5,166	2,639	51.1	1,875	36.3	564	10.9	88	1.7
20-24	5,066	873	17.2	2,636	52.0	1,308	25.8	249	4.9
25-29	2,306	105	4.6	1,258	54.6	753	32.7	190	8.2
30-34	952	38	4.0	498	52.3	327	34.3	89	9.3
35-39	465	33	7.1	244	52.5	143	30.8	45	9.7
40+	149	14	9.4	82	55.0	38	25.5	15	10.1
Unknown	343	2	0.6	4	1.2	1	0.3	336	98.0
TOTAL	14,521	3,767	25.9	6,605	45.5	3,137	21.6	1,012	7.0

Responses given--

* Never used - I've never used any form of birth control.
  Not now using - I've used some type of birth control but not when I got pregnant.
  In use - I was using contraception when I became pregnant.

** Percent is read horizontally to equal 100%, i.e., each percent is proportion of women in that age group reporting any contraceptive use.

REPORTED INDUCED ABORTIONS

MINNESOTA RESIDENTS

PRIOR ABORTIONS BY AGE GROUP

MINNESOTA 1978

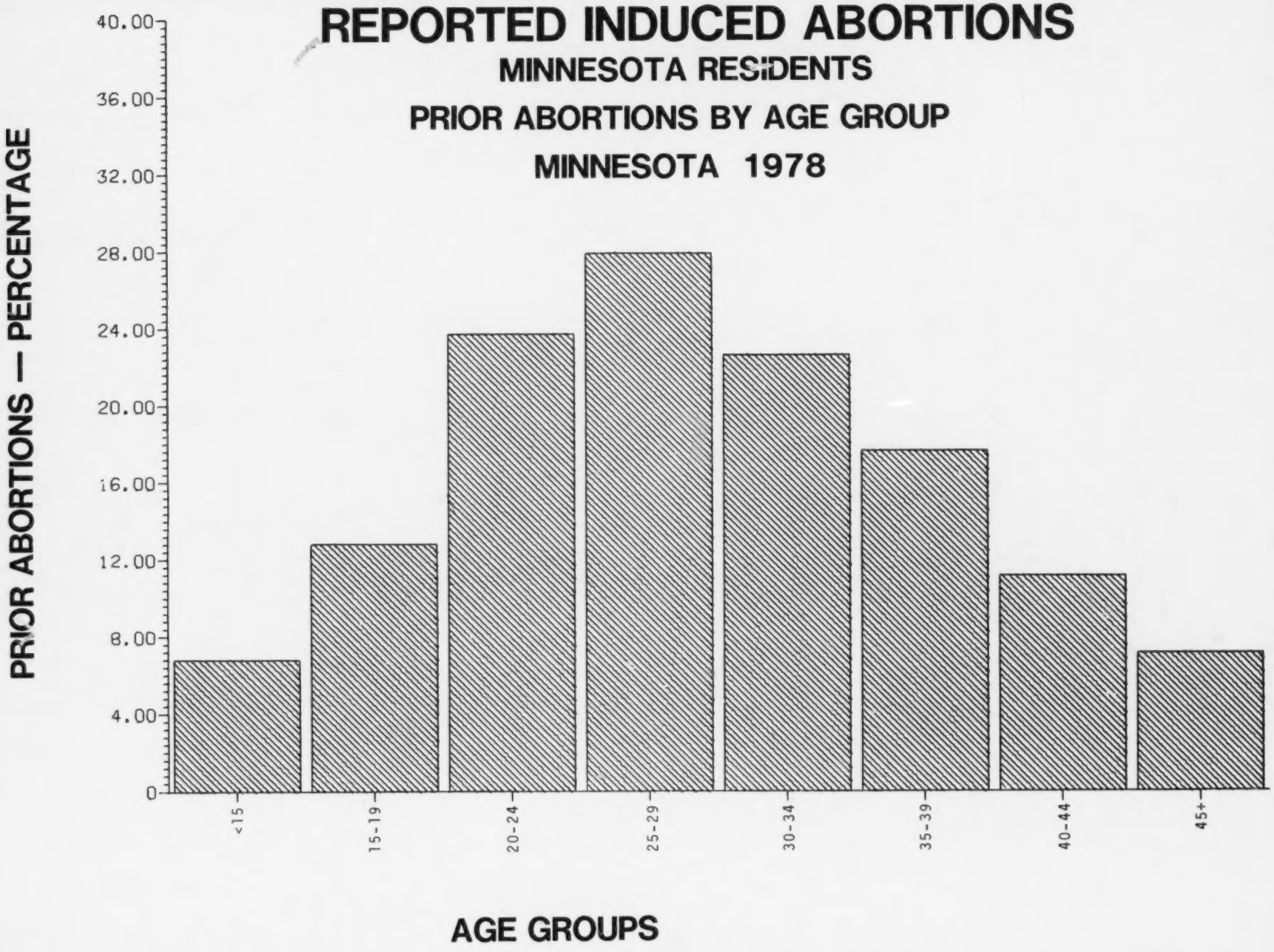


Table 16

REPORTED INDUCED ABORTIONS
BY QUARTER AND RESIDENCE

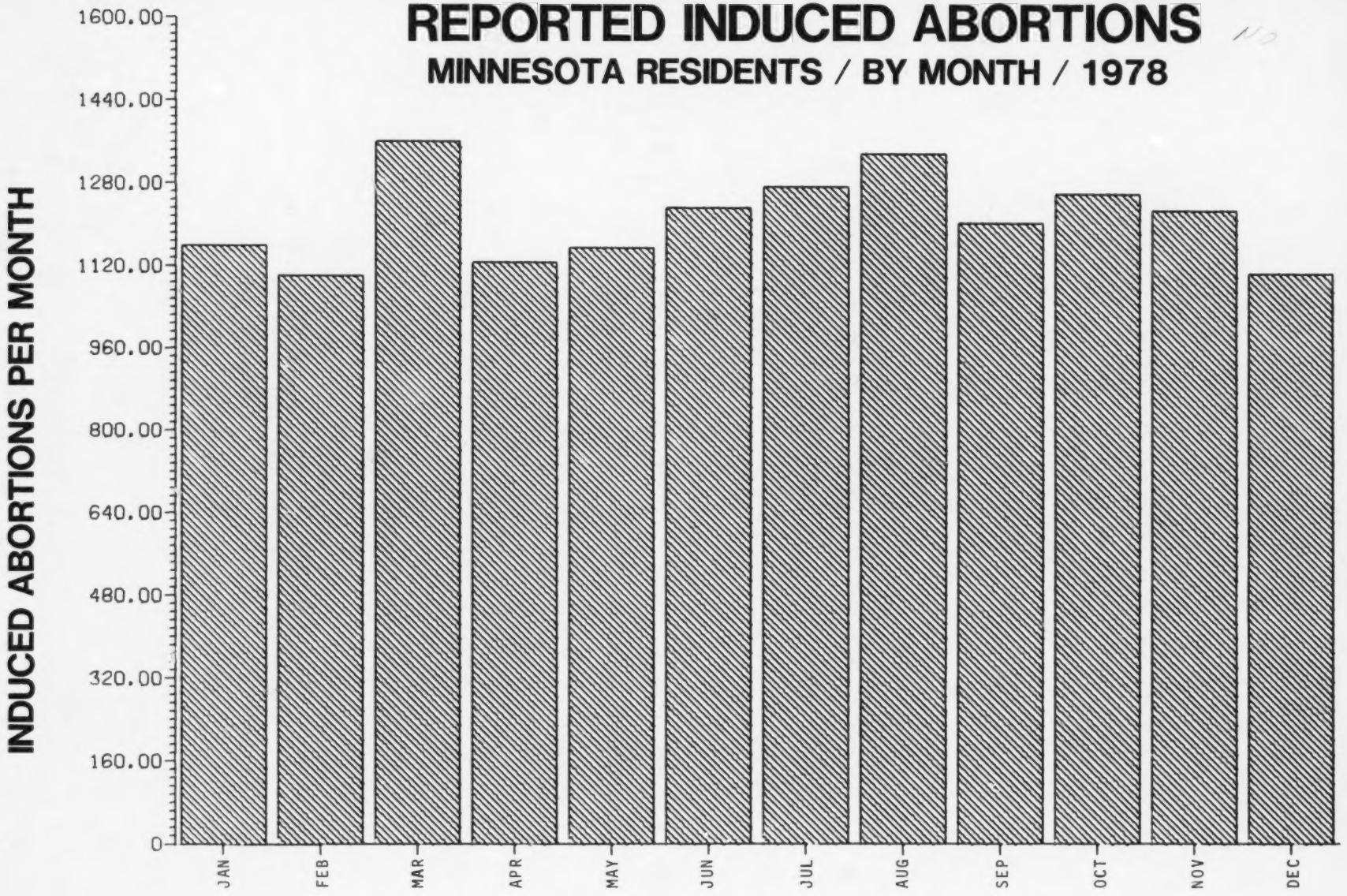
Minnesota, 1978

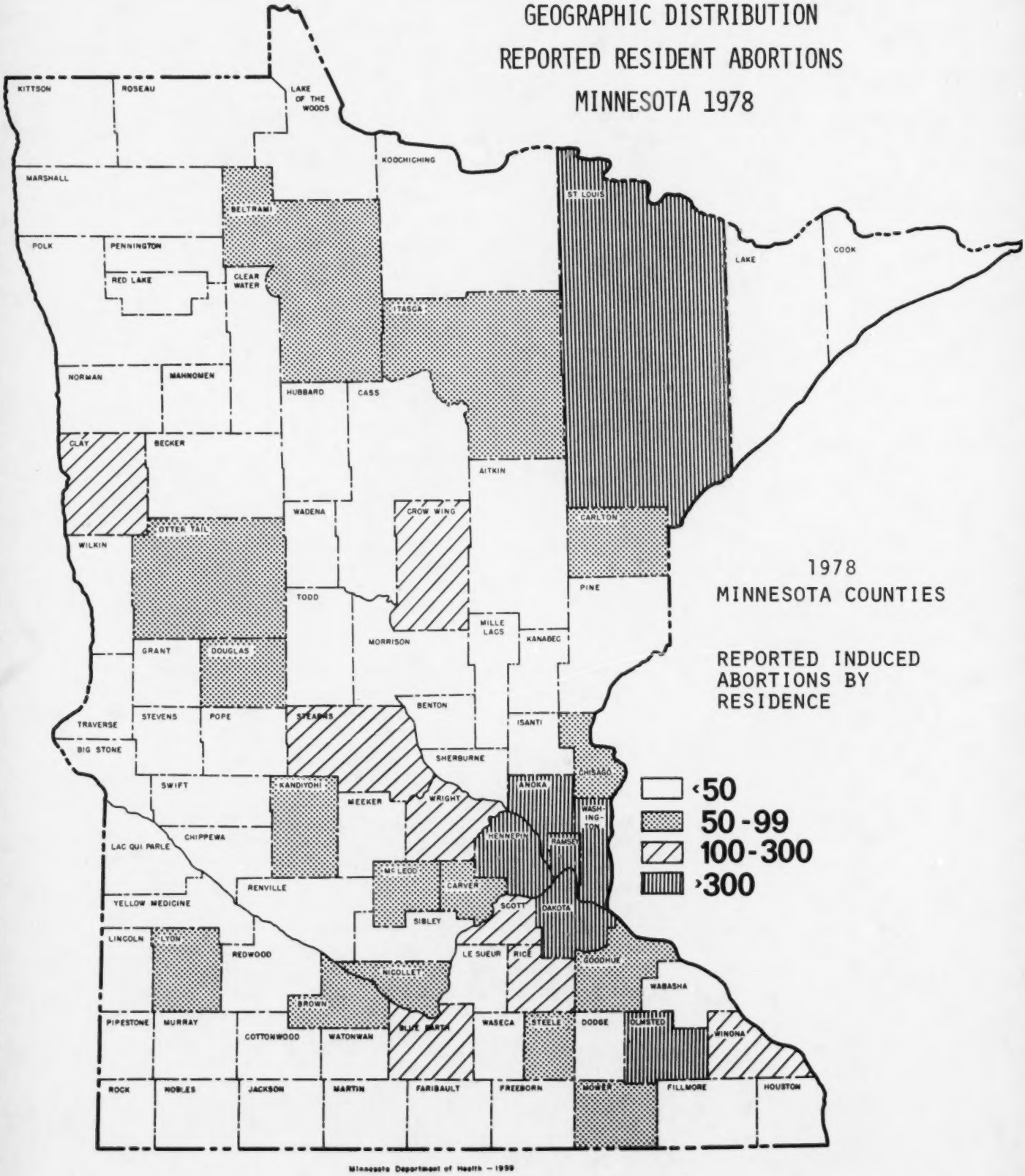
Quarter	Total Reported Abortions		Minnesota Resident Abortions		Resident Percentage*
	Number	Percentage	Number	Percentage	
Jan - Mar	4,338	25.1	3,616	24.9	83.4
Apr - June	4,161	24.1	3,510	24.2	84.4
July - Sept	4,555	26.4	3,808	26.2	83.6
Oct - Dec	4,208	24.4	3,587	24.7	85.2
TOTAL	17,262	100.0	14,521	100.0	84.1

* Resident Percentage = $\frac{\text{Minnesota Resident Abortions (quarter X)}}{\text{Total Reported Abortions (quarter X)}}$ X 100

REPORTED INDUCED ABORTIONS

MINNESOTA RESIDENTS / BY MONTH / 1978





Minnesota Department of Health – 1979

DEFINITIONS

Abortion, Induced:	The premature expulsion from the uterus of a nonviable fetus (i.e., a fetus incapable of surviving outside the womb) brought on intentionally.
Combination:	The classification used to indicate two or more abortion methods used simultaneously or sequentially. Generally suction curettage followed by sharp curettage.
Curettage:	The induction of a bleeding from the endometrium by administration and withdrawal of any progestational agent. The scraping or suction of the uterine walls to remove the placental membrane and the fetus.
Gestation:	The period of development of the fetus, expressed in completed weeks, calculated from the last menstrual period date.
Menstrual Extraction:	(M. Regulation, M. Induction): The evacuation of the uterine contents by vacuum curettage, usually before the 14th day after a missed menstrual period, and before a diagnosis of pregnancy is reliable.
Prostaglandin:	A naturally occurring hormone used medically to produce uterine membrane depolarization and contractions which result in initiation of labor.
Resident Abortions:	Abortions to Minnesota Residents which occurred in Minnesota and were reported during this Surveillance.
Saline:	The technique of injecting a sterile salt solution into the amniotic sac to replace the amniotic fluid, resulting in initiation of labor usually within 30 hours.
Suction Curettage w/ Laminaria	The insertion into the cervix of laminaria tents (sterile dried marine plant stems) which absorb body fluids and expand, gradually dilating the cervix, prior to conventional suction curettage.

Minnesota Department of Health
717 Delaware St. S. E.
Minneapolis, Minnesota 55440

REPORT OF INDUCED ABORTION

SAMPLE #1

PLEASE PRINT

TYPE OF ADMISSION — 1 = Inpatient 2 = Outpatient 3 = Clinic 4 = Other _____

FACILITY ID CODE 1 [ ][ ][ ]

PATIENT CODE OR CHART NUMBER 5 [ ][ ][ ][ ][ ][ ][ ]

PATIENT RESIDENCE *(Write in)*

City _____

County _____

State _____

MDH use only
12 [ ][ ][ ][ ]
16 [ ][ ]
18 [ ][ ]

AGE IN YEARS *(Birth Date Optional* [ ][ ] Month [ ][ ] Day [ ][ ] Year*)* 20 [ ][ ] Years

RACE/ETHNICITY 1 = White 2 = Black 3 = American Indian 4 = Hispanic 5 = Japanese/Chinese/Asian 6 = Other 7 = Unknown 22 [ ]

MARITAL STATUS 1 = Never Married 2 = Married Now 3 = Widowed 4 = Divorced 5 = Separated 6 = Unknown 23 [ ]

CONTRACEPTIVES USED?
1 = Never used any contraceptive method
2 = Have used but discontinued method
3 = Was using at conception *(See below)**
4 = Unknown

Total number of prior pregnancies to this woman *(a+b+c below)* 24 [ ]
a. Total number of live births [ ]
b. Fetal deaths, spontaneous abortions [ ]
c. Number of prior induced abortions [ ]

28 [ ]

DATE OF ABORTION 29 [ ][ ] Month [ ][ ] Day [ ][ ] Year

DATE OF LAST NORMAL MENSES (LMP) 35 [ ][ ] Month [ ][ ] Day [ ][ ] Year

GESTATION WEEKS *(Physicians estimate of completed weeks post LMP)* 41 [ ][ ] Weeks

ABORTION METHOD
1 = Suction curettage 2 = Sharp curettage 3 = Saline/fluid exch 4 = Prostaglandin 5 = Hysterectomy/otomy 6 = Combination *(Circle each)* 7 = Menstrual extr (- preg) 8 = Menstrual extr (+ preg) 9 = Laminaria & curettage 43 [ ]

COMPLICATIONS OR FAILURES *(Was patient hospitalized? Yes No [Circle one])*
0 = None 1 = Hemorrhage (500 ml) 2 = Pelvic infection 3 = Fever (>38° C) 4 = Cervical injury 5 = Uterine perforation 6 = Retained tissue 7 = Continuing pregnancy 8 = Other *(Specify)* _____ 44 [ ]

Optional

RELIGIOUS PREFERENCE 1 = Prot 2 = Cath 3 = Jew 4 = Other 5 = None 6 = Unk 45 [ ]

*CURRENT CONTRACEPTIVE *(In use at conception)* 0 = None 1 = Rhythm 2 = Douche or Wthdrwl 3 = Foam 4 = Condom 5 = Foam + Condom 6 = Diaphrm 7 = IUD 8 = Pills 9 = Sterilization (M or F) Other _____ 46 [ ]

47 [ ]

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
CENTER FOR DISEASE CONTROL
EPIDEMIOLOGY PROGRAM
ATLANTA, GEORGIA 30333

SAMPLE #2

CASE REPORT

NS = NOT STATED
JPSA/CDC # No. F 5000

DO NOT WRITE IN THIS SPACE

CARD A

1-6: 1

7-8:

9-11:

12-17:

18:

19:

20:

DAY MO. YR.

21-26:

27-28:

29-31:

1. Name and location of institution

2. Patient's residence: Local ☐ 1 Out of area ☐ 2

3. Age at abortion _____ OR DATE of birth _____

4. Number of prior: Pregnancies _____ Deliveries (20 weeks or more) _____ Abortions (less than 20 weeks) _____

5. Marital status: Single or never married ☐ 1 Married ☐ 2 Widowed, divorced, or separated ☐ 3 NS ☐ 9

6. Ethnic group: White ☐ 1 Black (Negro) ☐ 2 Other ☐ 3 NS ☐ 9

7. Type of service: Medicaid private ☐ 1 Other private ☐ 2 Medicaid nonprivate ☐ 3 Other nonprivate ☐ 4

8. First day of LMP _____ NS ☐ 9

9. Estimated gestational age at time of abortion (in weeks from ovulation) _____

10. Pre-existing medical and/or gynecological complications likely to increase surgical risk (underline most important condition)

OR None ☐ 0

32: —

11. Operator: Attending M.D. ☐ 1 Resident ☐ 2 Intern ☐ 3 Medical student ☐ 4
Other (specify) _____ OR NS ☐ 9

33: —

12. Anesthetist: None required ☐ 0 Qualified M.D. ☐ 1 M.D. in training ☐ 2 Nurse ☐ 3
Nurse in training ☐ 4 Other (specify) _____ OR NS ☐ 9

13. Type of anesthesia (check one or more): None ☐ 0 Sedation/analgesia ☐ 1 Local ☐ 2 Regional ☐ 4 General ☐ 8
Other (specify) _____

34-35: _____ (Cumulative)

14. Type of primary procedure:*

Dilatation & curettage ☐ 1 – GO TO 15
Dilatation & suction ☐ 2 – GO TO 15
Instillation ☐ 3 – GO TO 17
Hysterotomy ☐ 4 – GO TO 28
Hysterectomy ☐ 5 – GO TO 28
Other ☐ 6 – GO TO 29

36: —

* Operations performed because of failure of primary procedure should not be checked here, but under treatment of complications (38). Tubal sterilization should be checked under 30.

15. Curettage with or w/o use of ovum forceps ☐ 10 Suction alone ☐ 20
Suction with exploration (curette) ☐ 30 Suction, exploration NS ☐ 40

37-38: —

16. A. Type of dilatation: Hanks and/or Hegar ☐ 1 Vibrodilator ☐ 2 Laminaria ☐ 3
Other (specify) _____ OR NS ☐ 9

39: —

B. Size: Hanks _____ Hegar _____ NS ☐ 9
– GO TO 30

40-41: — —
(Skip to Col. 57)

17. Route: Abdominal ☐ 1 Vaginal intra-amniotic ☐ 2 Vaginal extra-amniotic ☐ 3
Other (specify) _____

37: —

18. Solution instilled: Sodium chloride ☐ 1 Glucose ☐ 2 Other (specify) _____

38: —

19. Concentration _____ percent NS ☐ 9

20. Withdrawal and/or instillation by: Needle ☐ 1 Catheter ☐ 2 NS ☐ 9

39-43: — — — — —

21. Withdrawal by: Syringe ☐ 1 Drip ☐ 2 NS ☐ 9 None ☐ 0

44: —

22. Instillation by: Infusion pump ☐ 1 Infusion drip ☐ 2 Manually ☐ 3 NS ☐ 9 None ☐ 0

45: —

HSM 4.316 (CDC)
8-71

– OVER –

FORM APPROVED
OMB NO. 68-R1245

MEDICAL RECORD [illegible]

BEST COPY AVAILABLE